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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete If Known</b>		
			Application Number	09/889,227	
			Filing Date	January 8, 2002	
			First Named Inventor	Bernd RIEDL et al.	
			Group Art Unit	1625	
			Examiner Name	Rita J. Desai	
Sheet	1	of	10	Attorney Docket Number	BAYER-0015-A

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
RD	A1	2002/0173507	A1	Santora et al.	11-21-2002
RD	A2	2002/0065283	A1	McMahon et al.	05-30-2002
RD	A3	2002/0065296	A1	Dumas et al.	05-30-2002
RD	A4	2004/0209905	A1	Kubo et al.	10-21-2004
RD	A5	5063247		Sekiya et al.	11-05-1991
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RD	A7	5658903		Adams et al.	08-19-1997
RD	A8	5710094		Minami et al.	01-20-1998
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RD	A18	6583282	B1	Zhang et al.	06-24-2003
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RD	A22	6380218		Marfat et al.	04-30-02
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RD	B1	WO	02/14311	A2	Amgen Inc.	02-21-2002		
RD	B2	WO	02/32872	A1	Eisai Co. Ltd.	04-26-2002		
RD	B3	WO	02/44158	A1	Pfizer Products Inc.	06-06-2002		
RD	B4	WO	02/07772	A2	Boehringer Ingelheim	01-31-2002		
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RD	B6	WO	99/82890	A1	Pfizer Products Inc.	12-09-1999		

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RD	B7	JP	01200254	A2	Hirabayashi Shigeto	08-11-1989		
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RD	B9	JP	01259360	A2	Hirabayashi Shigeto	10-17-1989		
RD	B10	JP	01009455	A2	Megumi et al.	01-12-1989		
RD	B11	JP	06075172	B4	Megumi et al.	09-07-1988		
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RD	B13	JP	03144634	A2	Shigeto et al.	06-20-1991		
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RD	B16	JP	02105016	A2	Hideo et al.	04-17-1990		
RD	B17	JP	02108048	A2	Minoru et al.	04-19-1990		
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RD	B19	WO	00/50425	A1	Boehringer Ingelheim	08-31-2000		
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RD	B23	WO	2005/048848	A2	Ambit Biosciences	06-02-2005		
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RD	B25	WO	02/083628	A1	Boehringer Ingelheim	10-24-2002		
RD	B26	WO	02/085857	A2	Bayer Corporation	10-31-2002		
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RD	B31	WO	03/099771	A2	Novartis AG	12-04-2003		
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		Group Art Unit	1625
		Examiner Name	Rita J. Desai
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RD	B34	WO	01/07411	A1	Banyu Pharmaceutical	02-01-2001		
RD	B35	UK	1110099		Julia	06-07-1966		
RD	B36	WO	2004078746	A2	Boyer et al.	09-16-2004		
RD	B37	WO	2005037273	A1	Ramurthy et al.	04-28-2005		
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RD	B39	WO	2005049603	A1	Finsinger et al.	06-02-2005		
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RD	B41	WO	2004043374	A2	Anderson et al.	05-27-2004		
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RD	B59	WO	0210141	A1	Ahliganian et al.	02-07-2002		

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 4 of 10

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RD	B60	WO	0214281	A1	Cochran et al.	02-21-2002		
RD	B61	WO	2004019941	A1	Buchstaller et al.	03-11-2004		
RD	B62	WO	0035454	A1	Ko et al.	06-22-2000		
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RD	B64	WO	0218346	A1	Cooper et al.	03-07-2002		
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RD	B79	WO	9928305	A1	Walker	06-10-1999		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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RD	C3	Campbell et al., "Increasing complexity of Ras signaling," <i>Oncogene</i> , (1998) 17, 1395-1413	
RD	C4	Bolton et al., "Ras oncogene directed approaches in cancer chemotherapy," <i>Annual Reports in Medicinal Chemistry</i> , 29, pp. 165-174	
RD	C5	Moelling et al., "Signal transduction as target of gene therapy," <i>Institute of Medical Virology, University of Zürich, Recent Results in Cancer Research</i> , Vol. 142, pp. 63-71	

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RD	C6	Jay H. Stein, Internal Medicine, 4 <sup>th</sup> Edition, 1994, pp. 699-715	
RD	C7	Johannes L. Bos, "Ras oncogenes in human cancer: a review," <i>Cancer Research</i> , 49, 4682-4689, September 1, 1989	
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RD	C9	Lyons et al., "Discovery of a novel Raf kinase inhibitor," <i>Endocrine-Related Cancer</i> , (2001) 8, 219-225	
RD	C10	Lowinger et al., "Design and discovery of small molecules targeting Raf-1 kinase," <i>Current Pharmaceutical Design</i> , 2002, 8, 2269-2278	
RD	C11	Dumas et al., "Recent developments in the discovery of protein kinase inhibitors from the urea class," <i>Current Opinion in Drug Discovery &amp; Development</i> , 2004, 7(5):600-618	
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RD	C14	Hotte et al., "BAY 43-9006: Early Clinical Data in Patients with Advanced Solid Malignancies," <i>Current Pharmaceutical Design</i> , 2002, 8, 2249-2253	
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RD	C18	Wilhelm et al., "BAY 43-9006 Exhibits broad spectrum oral antitumor activity and targets the RAF/MEK/ERK pathway and receptor tyrosine kinases involved in tumor progression and angiogenesis," <i>Cancer Research</i> , 64, 7099-7109, October 1, 2004	
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RD	C20	Bankston et al., "A scalable synthesis of BAY 43-9006: a potent raf kinase inhibitor for the treatment of cancer," <i>Organic Process Research &amp; Development</i> , 2002, 6, 777-781	

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RD	C23	Panka et al., "BAY 43-9006 induces apoptosis in melanoma cell lines," 96 <sup>th</sup> Annual Meeting, April 16-20, 2005, Anaheim/Orange County, CA	
RD	C24	Auclair, et al., "BAY 43-9006 (Sorafenib) is a potent inhibitor of FLT3 tyrosine kinase signaling and proliferation in AML cells," 96 <sup>th</sup> Annual Meeting, April 16-20, 2005, Anaheim/Orange County, CA	
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RD	C26	Spronsen et al., "Novel treatment strategies in clear-cell metastatic renal cell carcinoma," <i>Anti-Cancer Drugs</i> , 2005, 16:709-717	
RD	C27	Thalmattam et al., "3D-QSAR CoMFA, CoMSIA studies on substituted ureas as Raf-1 kinase inhibitors and its confirmation with structure-based studies," <i>Bioorganic &amp; Medicinal Chemistry</i> , 12(2004) 6415-6425	
RD	C28	Danson et al., "Improving outcomes in advanced malignant melanoma," <i>Drugs</i> , 2005, 65(6):733-743	
RD	C29	Heim et al., "Antitumor effect and potentiation or reduction in cytotoxic drug activity in human colon carcinoma cells by the Raf kinase inhibitor (RKI) BAY 43-9006," <i>International Journal of Clinical Pharmacology and Therapeutics</i> , Vol. 41, No. 12/2003 (616-617)	
RD	C30	Richly et al., "Results of a phase I trial of BAY 43-9006 in combination with doxorubicin in patients with primary hepatic cancer," <i>International Journal of Clinical Pharmacology and Therapeutics</i> , Vol. 42, No. 11/204 (850-851)	
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RD	C32	Richly et al., "A phase I clinical and pharmacokinetic study of the Raf kinase inhibitor (RKI) BAY 43-9006 administered in combination with doxorubicin in patients with solid tumors," <i>International Journal of Clinical Pharmacology and Therapeutics</i> , Vol. 41, No. 12/2003 (620-621)	

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			Filing Date	January 8, 2002
			First Named Inventor	Bernd RIEDL et al.
			Group Art Unit	1625
			Examiner Name	Rita J. Desai
			Attorney Docket Number	BAYER-0015-A
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RD	C33	DeGrendele, "Activity of the raf kinase inhibitor BAY 43-9006 in patients with advanced solid tumors," <i>Clinical Colorectal Cancer</i> , May 2003, pp. 16-18	
RD	C34	Hubbard, "Oncogenic mutations in B-Raf: some losses yield gains," Skirball Institute of Biomolecular Medicine and Department of Pharmacology, New York University School of Medicine, New York, NY	
RD	C35	Thompson et al., "Recent progress in targeting the Raf/MEK/ERK pathway with inhibitors in cancer drug discovery," <i>Curr. Opin. Pharmacol.</i> , 2005 Aug., 5(4):350-6	
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RD	C37	Ahmad et al., "Kinase inhibition with BAY 43-9006 in renal cell carcinoma," <i>Clinical Cancer Research</i> , Vol. 10, 6388s-6392s, 15 Sept. 2004	
RD	C38	Wan et al., "Mechanism of activation of the RAF-ERK signaling pathway by oncogenic mutations of B-RAF," <i>Cell</i> , Vol. 116, 855-867, 19 March 2004	
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RD	C44	Jeffcoat et al., "The metabolism and toxicity of halogenated carbanilides," <i>Drug Metabolism and Deposition</i> , Vol. 5, No. 2, 157-166	
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RD	C46	Iwadate Y. et al. "Intra-arterial ACNU, CDDP chemotherapy for brain metastases from lung cancer: comparison of cases with and without intra-arterial mannitol infusion," <i>Neurol. Surg.</i> , (1993) vol. 21, no. 6, pp. 513-518		
RD	C47	Hanson, "Inhibitors of p38 kinase," <i>Expert Opinion on Therapeutic Patents</i> , July 1997, vol. 7, no. 7, pp. 729-733(5)		
RD	C48	Garcia-Lopez et al., "New routes for the synthesis of pyrrolo[3,2-d]- and -[2,3-d]pyrimidine systems starting from a common pyrrole derivative," <i>Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry</i> (1972-1999) (1978), (5), 483-7		
RD	C49	Wilhelm et al., "BAY 43-9006: preclinical data," <i>Curr Pharm Des</i> , 2002, 8(25):2255-7		
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RD	C52	Patent Abstracts of Japan, Publication No. 02-023337, published 01-28-1990		
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RD	C54	Wissner et al., "Analogues of platelet activating factor. 7. Bis-aryl amide and bis-aryl urea receptor antagonists of PAF," <i>J. Med. Chem.</i> , 1992, 35, 4779-4789		
RD	C55	Ravi et al., "Activated raf-1 causes growth arrest in human small cell lung cancer cells," <i>J. Clin. Invest.</i> , pp. 153-159		
RD	C56	Lemoine, "Overview of ras oncogenes and their clinical potential," Chapter 10,		
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RD	C59	Escudier et al., "Randomized phase III trial of the raf kinase and VEGFR inhibitor sorafenib (BAY 43-9006) in patients with advanced renal cell carcinoma (RCC)," Meeting: 2005 ASCO Annual Meeting, Category: Genitourinary Cancer, Subcategory: Kidney Cancer, Abstract No. 4510		
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RD	C61	Adjel et al., "A phase I study of BAY 43-9006 and gefitinib in patients with refractory or recurrent non-small-cell lung cancer (NSCLC)," Meeting: 2005 ASCO Annual Meeting, Category: Developmental Therapeutics: Molecular Therapeutics, Subcategory: Antiangiogenic or Antimetastatic agents, Abstract No. 4510	
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RD	C64	Eisenhauer et al., "Impact of new non-cytotoxics in the treatment in ovarian cancer," <i>Int. J. Gynecol Cancer</i> , 2001, 11 (Suppl. 1), 68-72	
RD	C65	Kubo et al., "Synthesis and structure-activity relationship of quinazoline-urea derivatives as novel orally active VEGF receptor tyrosine kinase selective inhibitors," #913, XP-001152608	
RD	C66	Carter et al., "Anti-tumor efficacy of the orally active raf kinase inhibitor BAY 43-9006 in human tumor xenograft models," #4954, XP-001145482	
RD	C67	Strumberg et al., "Phase I and pharmacokinetic study of the raf kinase inhibitor bay 43-9006 in patients with locally advanced or metastatic cancer," #2921, XP-001145481	
RD	C68	Dumas et al., "1-phenyl-5-pyrazolyl ureas: potent and selective p38 kinase inhibitors," <i>Bioorganic &amp; Medicinal Chemistry Letters</i> , 10 (2000), 2051-2054	
RD	C69	Riedl et al., "Potent raf kinase inhibitors from the diphenylurea class: structure activity relationships," #4956, XP-001145518	
RD	C70	Iwadate et al., "Intra-arterial ACNU, CDDP chemotherapy for brain metastases from lung cancer: comparison of cases with and without intra-arterial mannitol infusion," Dept of Neurological Surgery, Chiba Cancer Center Hospital, Clinical Trial, Journal Article, Randomized Controlled Trial, Vol. 21, No. 6, 513-518	
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RD	C72	Cunningham et al., "A phase I trial of H-ras antisense oligonucleotide ISIS 2503 administered as a continuous intravenous infusion in patients with advanced carcinoma," <i>Cancer</i> , September 2001, Vol. 92, No. 5, 1265-1271	
RD	C73	Madwed et al., "Pharmacological Evaluation of BIRB 796, a selective inhibitor of P38 MAP Kinase (MAPK), in animal models of endotoxic shock, inflammation and arthritis," <i>Inflammation Res.</i> , 50:S184, 2001.	
RD	C74	Blanco, "p38 MAPK signaling cascades: ancient roles and new functions," <i>Bioassays</i> , 22:637-645, 2000	

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RD	C76	Redman, A. M.; Johnson, J. S.; Dally, R.; Swartz, S.; Wild, H.; Paulsen, H.; Caringal, Y.; Gunn, D.; Renick, J.; Osterhout, M.; Kingery-Wood, J.; Smith, R. A.; Lee, W.; Dumas, J.; Wilhelm, S. M.; Housley, T. J.; Bhargava, A.; Ranges, G. E.; Shrikhande, A.; Young, D.; Bombara, M.; Scott W. J. "P38 Kinase Inhibitors for the Treatment of Arthritis and Osteoporosis: Thienyl, Furyl and Pyrrolyl Ureas" Bioorg. Med. Chem. Lett. 2001, 11 (1), 9.	
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RD	C78	Dumas, J. "Protein Kinase Inhibitors from the Urea Class" Curr. Opin. Drug Discov. Dev. 2002, 5(5), 715-724.	
RD	C79	Dumas, J.; Sibley, R.; Riedl, B.; Monahan, M.-K.; Lee, W.; Lowinger, T. B.; Redman, A. M.; Johnson, J. S.; Kingery-Wood, J.; Scott, W. J.; Smith, R. A.; Bobko, M.; Schoenleber, R.; Ranges, G. E.; Housley, T. J.; Bhargava, A.; Wilhelm, S. M.; Shrikhande, A. "Discovery of a New Class of p38 Kinase Inhibitors" Bioorg. Med. Chem. Lett. 2000, 10 (18), 2047.	
RD	C80	Proceedings of the American Association for Cancer Research - Volume 42 - March 2001 - #4957 A Novel Diphenylurea Raf-1 Kinase Inhibitor (RKI) Blocks the Raf/Mek/Erk Pathway in Tumor Cells. Scott McClelland Wilhelm et al., Bayer Corporation.	

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